AMENDMENTS TO THE CLAIMS

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1. (Canceled)

2. (Currently Amended) A transmission apparatus comprising:

adjustable filter means for reducing leakage power outside a transmission signal band, said filter means having a first attenuation amount more than a predetermined amount and a second attenuation amount not more than the predetermined amount selectively set in a range higher than a transmission signal band;

modulation means for modulating the transmission signal output from said filter means;

control means for selecting, during operation, between the first and second attenuation amounts in said adjustable filter means in accordance with a use situation of a band adjacent to the transmission signal band and ~~An apparatus according to claim 1, wherein~~ said adjustable filter means comprises

a first low-pass filter having the first attenuation amount, and

a second low-pass filter having the second attenuation amount, and

said control means selects one of said first and second low-pass filters in accordance with the use situation of the band adjacent to the transmission signal band.

3. (Previously Presented) A transmission apparatus comprising:

adjustable filter means for reducing leakage power outside a transmission signal band, said filter means having a first attenuation amount more than a predetermined amount or a second attenuation amount not more than the predetermined amount selectively set in a range higher than a transmission signal band;

modulation means for modulating the transmission signal output from said filter means; and

control means for the first and second attenuation amounts in said adjustable filter means in accordance with a use situation of a band adjacent to the transmission signal band;

wherein said adjustable filter means comprises

a first low-pass filter having the first attenuation amount, and

a second low-pass filter having the second attenuation amount, and

said control means selects one of said first and second low-pass filters in accordance with the use situation of the band adjacent to the transmission signal band;

wherein said first low-pass filter comprises

a first delay element group formed from a plurality of delay elements cascade-connected,

a second delay element group formed from a plurality of delay elements cascade-connected to receive an output from said first delay element group,

a first accumulator for cumulatively adding weighted outputs from the delay elements of said first delay element group, and

a second accumulator for cumulatively adding weighted outputs from the delay elements of said second delay element group, and said second low-pass filter comprises said first delay element group, and said first accumulator.

4. (Original) An apparatus according to claim 3, further comprising

a bypass path for bypassing said second accumulator,

a first changeover switch for selectively connecting an output terminal of said accumulator to one of an input terminal of said second accumulator and one terminal of said bypass path, and

a second changeover switch for selectively connecting an output terminal of said filter to an output terminal of said second accumulator and the other terminal of said bypass path.

5. (Original) An apparatus according to claim 2, wherein said apparatus further comprises

switch means for selecting one of said first and second low-pass filters, and

said control means controls said switch means to extract one of outputs from said first and second low-pass filters as a transmission signal.

6. (Original) An apparatus according to claim 2, wherein when said first low-pass filter is selected, power supply to said second low-pass filter is stopped, and when said second low-pass filter is selected, power supply to said first low-pass filter is stopped.

7. (Currently Amended) An apparatus according to claim 2 [[1]], wherein said filter means, modulation means, and control means are arranged in one of a mobile station and a base station of a mobile communication system.

8. (Original) An apparatus according to claim 7, wherein said apparatus further comprises

extraction means for extracting information related to the use situation of the band adjacent to the transmission signal band from a reception signal, and

said control means performs operation of setting the first and second attenuation amounts on the basis of an output from said extraction means.

9. (Original) An apparatus according to claim 7, wherein said apparatus further comprises

monitor means for monitoring the use situation of the band adjacent to the transmission signal band from a reception signal, and

said control means performs operation of setting the first and second attenuation amounts on the basis of an output from said monitor means.

10. (Original) An apparatus according to claim 7, wherein when the band adjacent to the transmission signal band is used in an adjacent/superposing system, said control means sets the first attenuation amount in said filter means, and when the band adjacent to the transmission signal band is not used in the adjacent/superposing system, said control means sets the second attenuation amount in said filter means.